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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=8; day=14; hr=10; min=34; sec=44; ms=157; ]

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Application No: 10578248 Version No: 1.0

**Input Set:****Output Set:**

**Started:** 2008-08-14 09:53:54.622  
**Finished:** 2008-08-14 09:53:55.356  
**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 734 ms  
**Total Warnings:** 11  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 11  
**Actual SeqID Count:** 11

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
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W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
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W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)

# SEQUENCE LISTING

<110> University of Nevada, Reno  
 Tam-Chang, Suk-Wah  
 Hunter, Kenneth W.  
 Publicover, Nelson G.

<120> IMPROVED METHODS FOR DETECTING AND MEASURING SPECIFIC NUCLEIC  
 ACID SEQUENCES

<130> 031673-002000

<140> 10578248

<141> 2008-08-14

<150> 60/517,399

<151> 2003-11-06

<160> 11

<170> PatentIn version 3.3

<210> 1

<211> 20

<212> DNA

<213> Artificial

<220>

<223> Reporter Oligonucleotide (RO-TAMRA). The 5'-TAMRA-labeled  
 oligonucleotide is complementary to the 5' tail sequence of the  
 capture oligonucleotide.

<400> 1

aaaatccacc caccacccc

20

<210> 2

<211> 20

<212> DNA

<213> artificial

<220>

<223> Reporter Complement (RC). This oligonucleotide is complementary  
 to the reporter oligonucleotide.

<400> 2

gggtgggggtg ggtggatttt

20

<210> 3

<211> 79

<212> DNA

<213> artificial

<220>

<223> Capture Oligonucleotide (CO) is a 79-mer oligonucleotide has a

short nucleotide sequence complementary to a sequence in the murine B7.2 mRNA.

<400> 3

gggtgggggtg ggtggatttt cccaaactta cggatcgtgg gtgcttccgt aagtttgggc 60

ccctcctcct ccctcctcc 79

<210> 4

<211> 79

<212> DNA

<213> artificial

<220>

<223> Control Capture Oligonucleotide (CCO). This oligonucleotide has the same sequence as the capture oligonucleotide except that three thymines replace three guanines at positions 23 to 25 (from the 5' terminus).

<400> 4

gggtgggggtg ggtggatttt aaaaaactta cggatcgtgg gtgcttccgt aagttttttc 60

ccctcctcct ccctcctcc 79

<210> 5

<211> 24

<212> DNA

<213> artificial

<220>

<223> 24mer Target Sequence (24mer). This oligonucleotide represents a target that is complementary to 24 nucleotides in the target recognition sequence in the CO and CCO.

<400> 5

cccaaactta cggaagcacc cacg 24

<210> 6

<211> 67

<212> DNA

<213> artificial

<220>

<223> B7-67mer Target Sequence (B7-67mer). This oligonucleotide represents a segment of the murine B7.2 mRNA sequence. Its sequence is complementary to the 22 nucleotides in the mRNA recognition sequence.

<400> 6

ccagaactta cggaagcacc cacgatggac ccagatgca ccatgggctt ggcaatcctt 60

atcttttg 67

<210> 7  
 <211> 20  
 <212> DNA  
 <213> artificial

<220>  
 <223> Address Oligonucleotide with Disulfide (AO/SS). This oligonucleotide has a disulfide group at the 5' end that enables its attachment to the substrate.

<400> 7  
 ggaggaggga ggaggagggg 20

<210> 8  
 <211> 70  
 <212> DNA  
 <213> artificial

<220>  
 <223> Capture oligonucleotide (CO) sequence used in Example 6.

<400> 8  
 ggggtgggtgg gtggttatatt tcccttacat cgtgggtgct tccgtaaggg tgggaggag 60  
 ggagggagag 70

<210> 9  
 <211> 67  
 <212> DNA  
 <213> artificial

<220>  
 <223> B7-67mer sequence is identical to SEQ ID NO:6, which represents a segment of the murine B7.2 mRNA sequence.

<400> 9  
 ccagaactta cggaagcacc cacgatggac cccagatgca ccatgggctt ggcaatcctt 60  
 atcttttg 67

<210> 10  
 <211> 15  
 <212> DNA  
 <213> artificial

<220>  
 <223> T3 sequence complementary to the CO loop region

<400> 10  
 ggaagcacc acgat 15

<210> 11  
 <211> 15

<212> DNA  
<213> artificial

<220>

<223> SM sequence differs from the T3 sequence in only one base at  
position 6.

<400> 11

ggaagaaccc acgat

15